



Your source for high quality, affordable lasers

DATA SHEET

RED DIODE LASER  
AT 705nm

Red diode laser at 705nm is made features of round spot, long lifetime, low cost and easy operating, which is widely used in measurement, spectrum analysis, etc.



Model: MRL-III-705/1~25mW

Wavelength ( nm )	705 ± 10nm	
Output Power ( mW )	>5, 10, 15, 20, 25	
Transverse Mode	Near TEM <sub>00</sub>	
Operating Mode	CW	
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Warm-up time (minutes)	<5	
Beam divergence, full angle (mrad)	<1.0	
Dimensions of beam at aperture (mm)	~3.0	
Beam height from base plate (mm)	24.8	
Pointing stability after warm-up (mrad)	<0.05	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	PSU-III-FDA	PSU-III-LED
Modulation	TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off	
Expected lifetime (hours)	10,000	
Warranty period	1 year	

MxL-III-705	Dimensions	PSU-III-LED	PSU-III-FDA
	 139(L) × 73(W) × 46.2(H) mm <sup>3</sup> , 0.6kg	 154 (L) × 155(W) × 95 (H) mm <sup>3</sup> , 1.5 kg	 133 (L) × 130(W) × 65 (H) mm <sup>3</sup> , 1.2kg